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AF FORM 112—PART II  
APPROVED 1 JUNE 1948

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SECURITY INFORMATION

AIR INTELLIGENCE INFORMATION REPORT **NR 36075**

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7050 A I S W		48373-2-936B			
PLACE	WAC NO	FN	EVAL	IN CODE NO	
SEVERSKIY	156		F-0		
POLITICAL LOCATION			DESCRIPTIVE NAME OF REPORT		
Sverdlovskaya Oblast			Steel Foundry in SEVERSKIY (156/30 N, 60/14 E)		
SOVIET ECON. REGION		PROPER NAME	DATES OF INFORMATION		
Urals			FROM May 45 TO Nov 47		

**PREAMBLE:** While SOURCE was interned from May 45 until Nov 47 in PW Camp 335/3 in SEVERSKIY (56/30 N, 60/14 E), he worked as an automobile mechanic in the garage, Point 1, Inclosure 1, this report, of a Steel Foundry in SEVERSKIY. During this time he was afforded the opportunity to observe the various buildings within this plant.

**I. IDENTIFICATION DATA:**

Reference is made to Point 8, Incl. 1, Report 48373-2-936A, which locates this Steel Foundry in SEVERSKIY. The construction of this steel foundry began in 1927. It was enlarged by a third unidentified furnace building, Point 13, Incl. 1, this report, in 1946 and by the construction of a new boiler house, Point 5, Inclosure 1, this report, in 1947. SOURCE noticed leveling work done in the enlargement area, Point 5, Incl. 2, Report 48373-2-936A. He learned from fellow workers that the authorities intended to tear down the apartment houses, Point 5, Incl. 2, Report 48373-2-936A for the enlargement of this steel foundry.

**II. SITE LAYOUT:**

Reference is made to Incl. 1, this report, SOURCE'S Memory Sketch (Retouched) of a Steel Foundry, on which SOURCE described the following points:

Point 1: GARAGE. This single-storied, red brick building, approximately 60 x 10 x 4 m, had a flat roof, covered with sheet metal on a wooden framework. The building was divided by partition walls into 6 departments. The N department served as a fire department, while the 5 other departments were used as garages:

Section A: These garages had wooden doors on both sides. Two cars could be sheltered in each section. Fifty trucks were in operation in this plant, most of them stood in the open during the night. Most of the trucks were the Russian model ZIS, and were often out of order because of a lack of spare parts. Only minor repair work was done at this garage. Major repair work was done in SVERDLOVSK. The consumption of fuel was checked very exactly. Fuel was delivered from SVERDLOVSK in barrels and distributed in cans. The trucks were only used for transportation within the area of SEVERSKIY.

Section B. Fire Department. Twelve firemen were billeted here. A manually operated stirrup pump on wheels was stationed in this building. A wooden tower about 10 m high was constructed on the roof of this building and served as a look-out tower for fire.

Point 2: ROAD. This road served the traffic within the steel foundry. It was 8 to 10 m wide and covered with slag.

Point 3: MAIN GATE. This was the main gate into this steel foundry, and was guarded by soldiers from the caserne, Point 12, Incl. 2, Report 48373-2-936A.

Point 4: ROAD. Refer to Point 6, Incl. 2, Report 48373-2-936A.

Point 5: BOILER HOUSE. This new, red brick construction, 60 x 20 x 10 m, had a flat roof, covered by sheet metal. It had two rows of steel framed factory windows. Two chimneys, each about 25 m high were built on the E side of this building. The construction still was not finished in Nov 47. SOURCE heard from fellow workers that German boilers were to be assembled in this building and that a fence was to surround this entire area later.

Point 6: SCRAP YARD. This area was about 500 x 500 m in size. Scrap metal was piled up all over this area to a height of about 4 m. The scrap was delivered daily by 4 or 5 flat cars and consisted of machine parts, car parts, tanks, aircraft parts, engines and similar parts. This huge scrap pile also served as a source of car repair parts for the garage, Point 1, Incl. 1, this report.

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Section A: Magnetic Crane. This crane operated on a special rail siding along the SE tracks, Point 9, Incl. 1, this report. It was able to lift complete tanks weighing about 20 tons. It had 6 cables and SOURCE believed it was moved by a steam engine.

Section B: Cutting Press. This machine was used to cut large metal parts. It was made in the German factory "DIESEL".

Section C: Steam Engine. This machine consisted mainly of boiler parts.

Point 7: GATE. This gate was used by the PWs going into the steel factory. It was about 8 m wide and was guarded by soldiers from the unknown, Point 12, Incl. 1, Report 15373-S-0320. A wooden guard shelter stood on the E side of this gate.

Point 8: ROAD. Refer to Point 13, Incl. 2, Report 15373-S-0320.

Point 9: SE SIDING. Refer to Point 7, Incl. 2, Report 15373-S-0320.

Point 10: SE SIDING. Refer to Point 7, Incl. 2, Report 15373-S-0320.

Point 11: SE LINE. Refer to Point 9, Incl. 1, Report 15373-S-0320.

Point 12: TRANSPORT. This transporter was connected by lines to the electric power plant, Point 1, Incl. 1, Report 15373-S-0320.

Point 13: UNIDENTIFIED FURNACE BUILDING. This was a red brick construction, 60 x 20 x 10 m in size, with a gabled sheet metal roof. Its walls were reinforced with 4 brick pillars on the outside on the E and W sides. It also had two rows of steel framed factory windows. A sheet metal chimney about 1 m high and about 1 m in diameter, was located on top of the roof. The construction of this building was finished in 1946. It was in operation in Nov 47. SOURCE was never inside, but he saw that in the spring of 1947, four unidentified furnaces of German origin were delivered there. These unidentified furnaces arrived in half sections and had been loaded on 4 rail cars each with a capacity for 40 tons. One furnace was loaded on one SE car. Point 14: STEEL AREA. This area covered about 30 x 30 m. Unidentified roughed steel iron or steel ingots, each 1 m long, 30 to 40 cm wide, were stored here which were delivered daily by SE cars.

Point 15: CRANE. A crane of the same construction and size as the magnetic crane, Point 64, Incl. 1, this report, operated here on a SE siding. This crane was used to carry scrap metal parts and ingots to the unidentified furnaces in the building, Points 13 and 14, Incl. 1, this report.

Point 16: UNIDENTIFIED FURNACE BUILDING. This building was of the same size and construction as the unidentified furnace building, Point 13, Incl. 1, this report. SOURCE was never inside.

Point 17: STORAGE AREA. This area covered about 50 x 20 m and was covered with piles of unidentified iron or steel ingots and sheet metal, measuring 4 x 2 m. There were also thick steel plates 10 cm thick located here.

Point 18: BOILER HOUSE. This was a red brick construction about 15 x 20 x 10 m, covered with a gabled sheet metal roof. It had six factory windows. The chimneys each about 20 m high, stood on the W side of this building. SOURCE was only there once and had observed a big boiler of German make but of unknown capacity situated on a brick foundation. This boiler was charged with coal and served to heat the factory buildings and the apartment houses, Point 5, Incl. 2, Report 15373-S-0320, and the dwelling houses, Point 9, Incl. 2, Report 15373-S-0320.

Point 19: UNIDENTIFIED FURNACE BUILDING. This red brick construction, 45 x 20 x 10 m was under one roof with the boiler house, Point 18, above. The construction of this building was the same as the building, Point 13, Incl. 1, this report. A tall brick chimney, about 20 m high, stood on the W side of this building. Three unidentified furnaces of German origin, each 4 m high and 4 m in diameter were located in this building.

Point 20: OVERHEAD TRAVELLING CRANE. This electrical crane crane travelled between the furnace building, Point 19, above, and the factory, Point 21, below, on a circular track according to SOURCE. The crane operator worked in a small shed directly above; the crane travelled with it.

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Point 21: **FOUNDRY.** This building was of the same size and construction as the unidentified furnace building, Point 13, Incl. 1, this report. SOURCE was never inside but believed it to have been a foundry because of the many cast parts lying around outside the building. He also stated that a large rambling noise was heard coming from this building or general area, which he believed to have been a rolling mill.

Point 22: **WAREHOUSE.** A small part of the foundry building, Point 21, above, was used as a warehouse. Protective clothing, such as asbestos suits and gloves, and clothing for the civilian employees was stored there.

Point 23: **SHIPPING CRANE.** A crane of the same type and construction as the crane at Point 64 operated here on a separate track, 60 m long, which was not connected to the other RR sidings. This crane transported material along the foundry building, Point 21, above, and helped load RR cars on the RR line, Point 26, Incl. 1, this report.

Point 24: **LOADING PLATFORM.** A concrete platform, 60 x 3 m, and 1 m high, was located here which was used to load RR cars. SOURCE observed that on every Thursday, about 5 RR cars were loaded here with such items as iron castings for machines, machine tools, machine bases and small wheels.

Point 25: **TRANSFORMER.** It was about 1.60 m high and 1 m square, mounted on a 3 m high wooden frame. It was connected by lines to the transformer, Point 12, Incl. 1, this report.

Point 26: **RR LINE.** Refer to Point 2, Incl. 1, Report 48373-2-9366.

Point 27: **FENCE.** This steel foundry was surrounded by a 3 m high board fence. A 4 m high wooden watchtower stood in each corner of the fence.

Point 28: **GATE.** This gate was a 5 m wide gate which was always kept closed. No traffic was conducted through this gate into the steel foundry.

Point 29: **WATER TANK.** A mushroom-shaped, red brick construction, about 10 m high, of unknown capacity, in which water was stored served the water supply of the steel foundry and of SEVERSKII.

Point 30: **LOCOMOTIVE WATER STOP.** A standpipe, approximately 4 m high, supplied the locomotives on this RR line, Point 26, Incl. 1, this report, with water.

**III. OPERATIONAL DATA:**

About 6 or 7 RR cars loaded with coal, pig iron and other unknown materials were delivered daily to this steel foundry. SOURCE was not able to describe the distribution of the raw materials or the type and amount of production in any of the buildings. He was only occasionally at the entrance to the unidentified furnace building, Point 19, Incl. 1, this report, to warn himself up. In this way, he observed the discharging of the smelting furnaces. Refer to Incl. 2, this report, SOURCE's Memory Sketch (Noteschen) of Such a Smelting Furnace. A covered steel ladle, 1.5 m high and 1 m in diameter was moved by an overhead travelling crane, Point 20, Incl. 1, this report, and was placed before such a furnace. Each ladle had two openings. One was connected by a flexible, metal hose, 10 cm wide with a stand pipe, which in turn was connected with an air exhausting pump by an underground pipe-line. A second hose connected the ladle with the discharge opening of the furnace. Molten steel was drawn out of the furnace by suction. After the ladle was filled, to a height of 60 cm, it was disconnected from the furnace. A loud noise was heard during the discharging procedure; no sparks were seen. The filled ladles were conveyed by the crane, Point 20, Incl. 1, this report to the foundry, Point 21, Incl. 1, this report. Each furnace in the unidentified furnace building, Point 19, Incl. 1, this report, was discharged twice during 12 hours. These furnaces were cleaned every 8 days. SOURCE supposed these furnaces charged from the W side, but he was not able to see how and when this was done. He also was not able to see the inside of the foundry, Point 21, Incl. 1, this report. He heard loud noises coming from this building and saw sheet metal stored in front of this building and in the storage area, Point 17, Incl. 1, this report.

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The products of this steel foundry, which were stored on the loading platform, Point 24, Incl. 1, this report, were shipped each Saturday in about 5 rail cars to unknown places. They consisted of machine parts and castings. SOURCE was not sure whether the sheet metal piles were delivered or produced within this plant. The resulting slag was put in the lake, Point 15, Incl. 1, Report 48373-2-9364 until 1947. Later, this slag was piled in slag dumps in the area around Point 6, Incl. 1, Report 48373-2-9364, intended for a further unknown use.

IV. **LABOR FORCE:**  
This plant operated uninterrupted in two 12-hour shifts. Each worker worked 29 days per month. The labor force was divided as follows:

Place of Work	Point Incl. 1	Russian Penal laborers	Russian Free Workers	German PWs	Shifts /Day
Garage	1	120	Unknown	10	1
Scrap Yard	6	5	Unknown	0	2
Blast Furnace Building	13	120	Unknown	0	2
Blast Furnace Building	16	120	Unknown	0	2
Plant Furnace Building	19	40	Unknown	0	2
Foundry	21	50	Unknown	0	2

SOURCE estimated the total workers in this plant at about 1000. Dead and sick penal laborers were replaced monthly.

V. **SECURITY:**  
The whole area of this plant was surrounded by a board fence. Watchtowers stood on each corner of the fence. The gates were all guarded. The laborers leaving the factory were checked for stolen material. SOURCE remembered the case of a laborer who was punished with 20 years jail because he stole a piece of rubber for repair of his shoes. The guards themselves were checked by members of the MVD. At night the whole area was illuminated. Searchlights were mounted on all of the watchtowers. Each laborer carried a small green identification card with his photograph on it. The fire department at Point 18, Inclosure 1, this report, only had old equipment, which was manually operated and was never observed in operation by SOURCE.

  
 HARLEY J. DALY  
 Captain USAF  
 Commanding  
 7058 AIGB

2 Incl:

1. SOURCE's Memory Sketch (Retouched) of a Steel Foundry in SEVERSKY.
2. SOURCE's Memory Sketch (Retouched) of a Smelting Furnace and ladle in the Steel Foundry in SEVERSKY.

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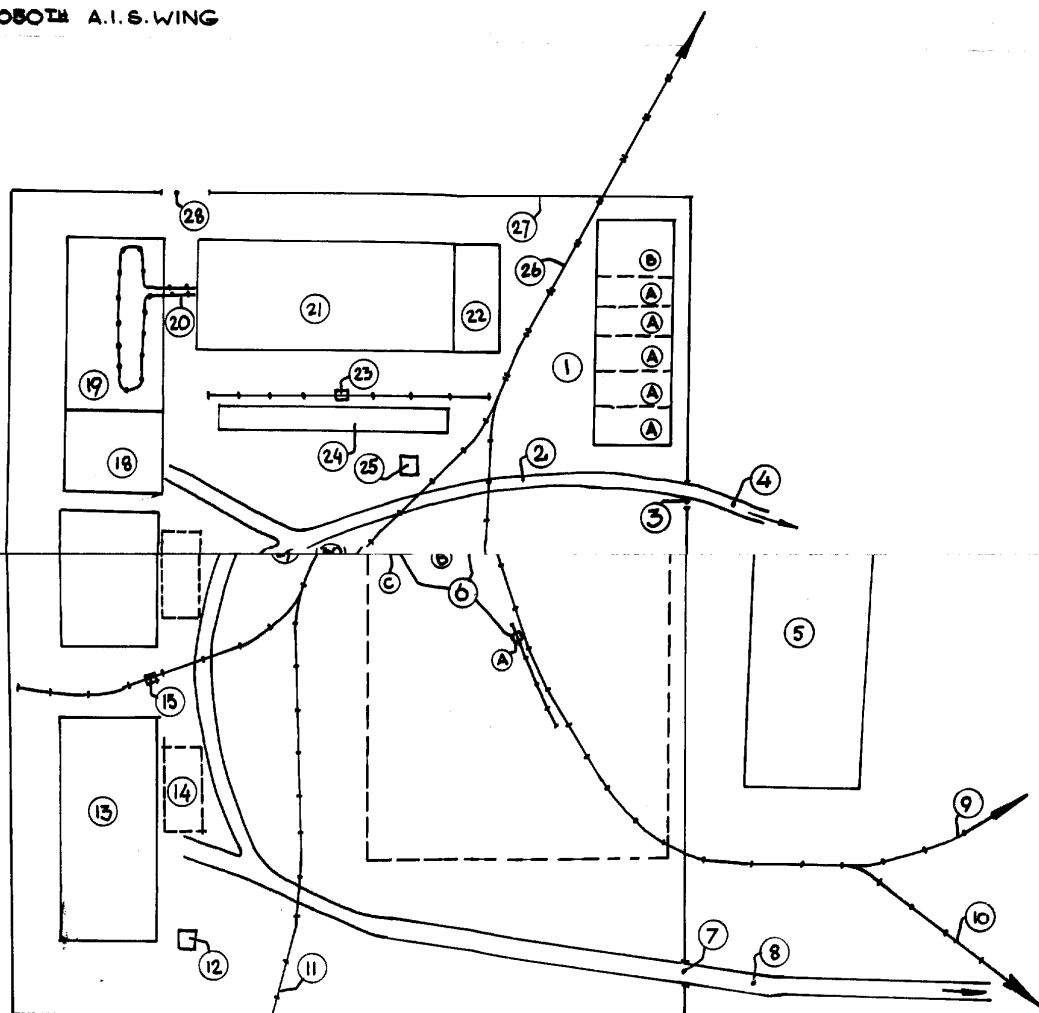
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FROM: 7080TH A.I.S. WING



## WRINGER

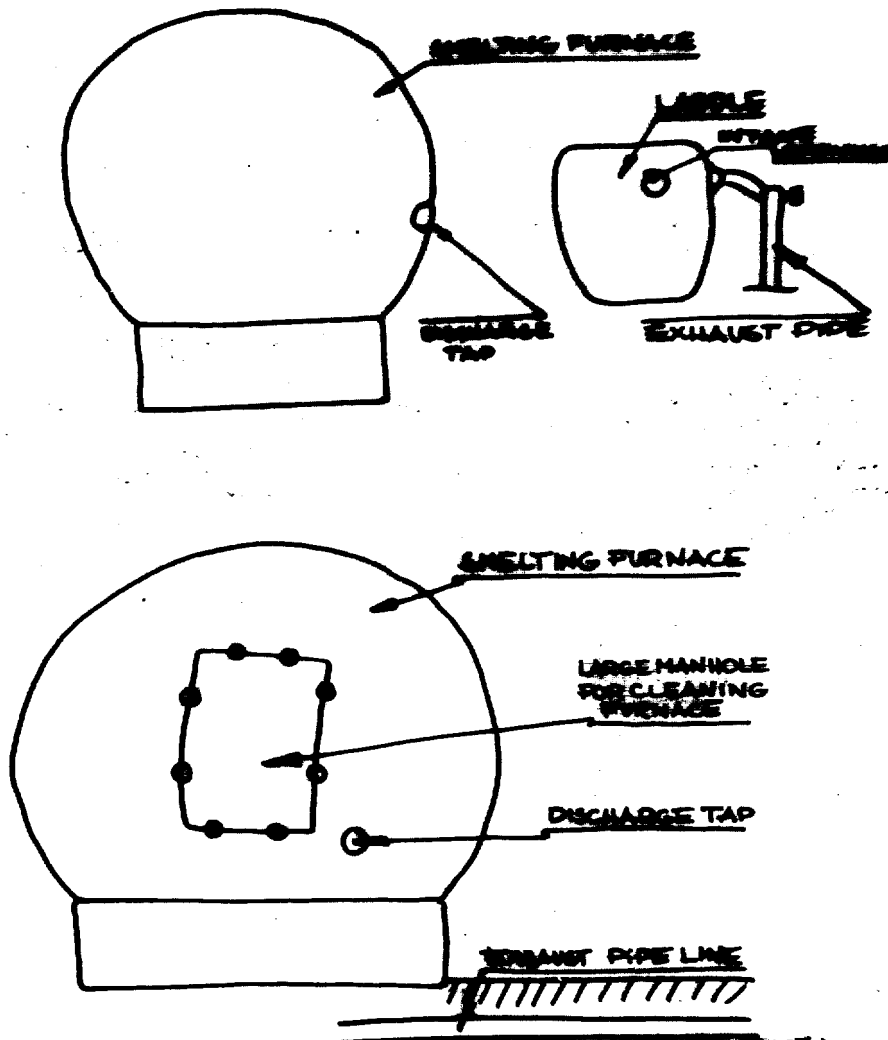
SOURCE'S MEMORY SKETCH (RETOUCHED)  
OF A STEEL FOUNDRY IN  
SEVERSKIY  
(56/30 N - 60/14 E)

INCLOSURE 1  
REPORT 48373-2-936 B.

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700TH  
FROM: A.I.S. WING



**WRINGER**

SOURCE'S MEMORY SKETCH (RETOUCHED)  
OF A SMELTING FURNACE AND LADLE  
IN THE STEEL FOUNDRY IN  
SEVERSKY  
(56/30 N - 60/14 E)

INCLOSURE 2  
REPORT 48373-2-936 B.

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